

# Editing JCL of MAC (Macro) Jobs

This subsection covers the following topics:

- Editing JCL of MAC (Macro) Jobs
- Natural Source Lines
- Parameter List
- Insertion of Text Members and Symbols in Local Variables
- Special Editor Commands
- Run Number Being Used for the TEST Command

## Editing JCL of MAC (Macro) Jobs

 **To edit JCL of a job of type MAC (Macro):**

1. Type **E** in the line command field of the selected job of type MAC in the Job Maintenance screen.
2. Press Enter.

The **Entire Operations** Editor screen appears with the first page of the JCL or Natural program in it, for example:

```

EDITNAT:EOR-T411(E60-M02)->Subprogram->Struct->Esc:'$'----- Columns 001 072
====>                                     SCROLL==> CSR
***** ***** top of data *****
00010 $ DEFINE DATA PARAMETER USING NOPXPL-A
00020 $ LOCAL                               /* LOCAL VARIABLES START HERE
00030 $ 1 L-DUMMY      (A01)                /* LEAVE IT NOT EMPTY
00040 $ 1 L-JOBNAME    (A10)
00050 $ 1 L-I          (I02)
00060 $ END-DEFINE
00070 $ MOVE P-JOB TO L-JOBNAME
00080 $ EXAMINE L-JOBNAME FOR '-' DELETE
00090 //$L-JOBNAME JOB , $P-OWNER, CLASS=$CLASS,
00100 //          MSGCLASS=$MSGCLASS, MSGLEVEL=(1,1)
00110 /*
00120 /*  ENTIRE OPERATIONS EXAMPLE JOB ON $*DATN
00130 /*
00140 //JOB LIB DD      DISP=SHR, DSN=$JOB LIB
00150 /*
00160 $ FOR L-I = 1 TO 10
00170 //STEP $L-I EXEC  PGM=IEFBR14
00180 //SYS PRINT DD      SYSOUT=*
```

Alternatively, you can invoke the Editor by pressing PF4 (Edit) from the Master Job Definition window when defining or modifying a job definition.

You can edit and scroll the JCL or Natural program using Editor commands and PF keys, even if the original definition was written outside **Entire Operations** with another editor.

If the selected job has no JCL or Natural program defined, a blank Editor screen appears and you can use Editor commands and PF keys to define JCL or a Natural program. You can also write or edit the object using editors available at your installation outside of **Entire Operations**.

You can also use the Editor function to display and browse through JCL or a Natural program. To leave the object unchanged and exit the Editor, press PF4 (Quit).

For a full description of the **Entire Operations** Editor and all available special commands, see the **Software AG Editor Documentation**.

## Natural Source Lines

Natural source lines must be preceded by the activation escape character of the job.

## Parameter List

Each JCL for a job of type MAC must start with the declaration of the common user routine parameter list:

```
§ DEFINE DATA PARAMETER USING NOPXPL-A
```

The first character (here: §) is the activation escape character of the job.

## Insertion of Text Members and Symbols in Local Variables

Please see Dynamic JCL Generation to find more details about special MACRO JCL commands.

## Special Editor Commands

MACRO	Compile the Macro JCL into an executable Natural object. This object will be executed by Entire Operations during JCL load. It will generate the executable active JCL. (This command is similar to STOW for standard Natural programs.)
TEST	Perform MACRO implicitly, then run the generated object for testing purposes. The generated JCL will show up in a new window.

Please see Dynamic JCL Generation to find more details about special editor commands.

## Run Number Being Used for the TEST Command

The reserved run number used during the TEST command is **3**.

During TEST, a temporary active symbol table with this run number will be used.

This avoids any influence on the defined master symbol table.

In the log display, this reserved run number will **not** be displayed.